

**TO: Suborbital Science Program**  
**NASA Headquarters**  
**Mail Suite 3F71**  
**Attn: Andrew Roberts**  
***andrew.c.roberts@nasa.gov***

**FAX: (202) 358-2770**  
**Voice: (202) 358-7212**

## **Flight Report**

<b>Aircraft :</b>	NASA P-3B
<b>Operating Site(s) From / To :</b>	BGTL / BGTL
<b>Flight Date :</b>	April 16, 2009
<b>Flight Number / Data Flight # :</b>	729 / 8
<b>Time out:</b>	<b>1100 (Z)</b>
<b>Time in:</b>	<b>1827 (Z)</b>
<b>Flight Time :</b>	7.5
<b>Flt Request # / PI:</b>	FR#9P007/013/014
<b>Purpose of Flight :</b>	<b>Data <input checked="" type="checkbox"/> Ferry <input type="checkbox"/> Functional Check <input type="checkbox"/> Other <input type="checkbox"/></b>
<b>Sensor Payload :</b>	Arctic Ice Gap (Operation Ice Bridge) for Sea Ice ICESat orbit tracks. ATM (2), Snow radar, PARIS, LVIS
<b>Comments :</b>	LVIS flew 3,900 km of Sea Ice lines of which 600 km were along a recently sampled ICESat track. A low altitude land ice flight is scheduled for tomorrow. The aircraft and all instruments are in an Up status.

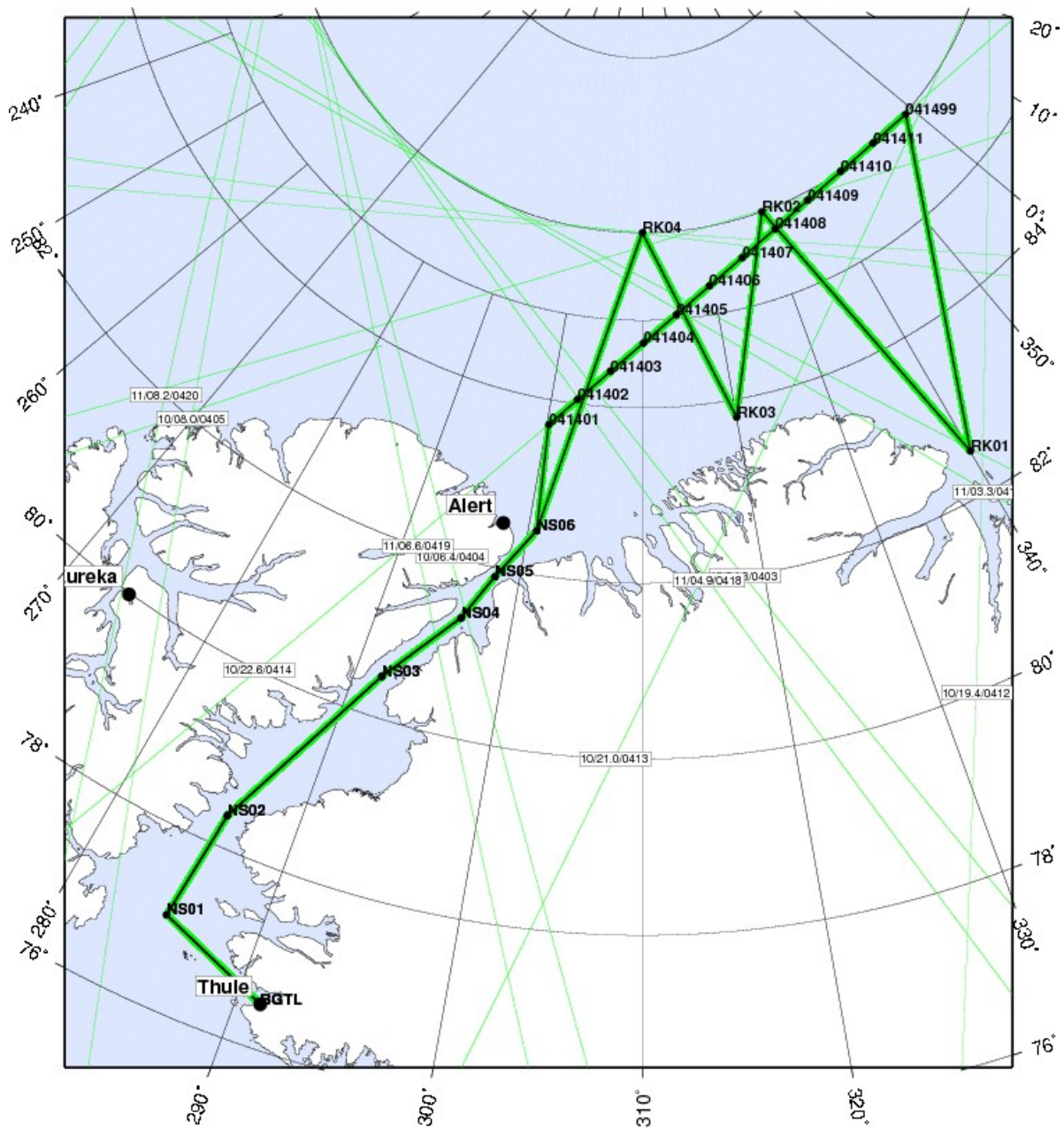
**SUBMITTED BY: Cate Fairchild**

**16 April 2009**

# LVIS Sea Ice Mission alt 1

Orbits for 10-11 April 2009

7.7 hours at 300 knots



<b>Flight</b>	<b>Date</b>	<b>Aircraft Flight #</b>	<b>Data Flight#</b>	<b>Hours flown</b>	<b>Total Hours Remaining</b>
<i>Total Allocated</i>					<i>184.0</i>
ECF	3/25/2009	713		0.8	183.2
PCF	3/27/2009	716		3.7	179.5
Transit to Thule	3/30/2009	693		7.6	171.9
Science flight	3/31/2009	718	1	8.1	163.8
Science flight	4/1/2009	719	2	7.7	156.1
Science flight	4/2/2009	720	3	8.2	147.9
Science flight	4/5/2009	721	4	8.7	139.2
Science flight	4/6/2009	722	5	7.7	131.5
Ferry to Maine	4/7/2009	723		6.4 (n/c)	131.5
Prop repair FCF 1	4/10/2009	725		0.4 (n/c)	131.5
Prop repair FCF 2	4/11/2009	726		0.4 (n/c)	131.5
Ferry: Maine to Thule	4/13/2009	724		6.2 (n/c)	131.5
Science flight	4/14/2009	727	6	8.0	123.5
Science flight	4/15/2009	728	7	8.0	115.5
Science flight	4/16/2009	729	8	7.5	108.0
<i>Return Transit*</i>	<i>TBD</i>			<i>8.0</i>	<i>100.0</i>
<i>Post-mission calibration*</i>	<i>TBD</i>			<i>2.0</i>	<i>98.0</i>

\* Time for return transit and post-mission flight are estimates only